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(54) INSULATED WIRE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an insulated wire which is excellent in flame retardancy, tensile and electrical characteristics, used for the internal wiring of electronic equipment and an electrical apparatus, having high heat resistance coming up to UL (Reference Standard for Electrical Wires, Cables and Flexible Cords) 150°C heat aging test specification, and eliminating the elution of a heavy metal compound and the generation of a large quantity of smoke and corrosive gas in the disposal such as landfill and incineration.

SOLUTION: The insulated wire has a conductor coated with the crosslinked body of a composition containing a metallic hydrate of 150-300 pts.wt., a phenolic antioxidant of 1-6 pts.wt., and a thioether-based antioxidant of 12-30 pts.wt. to a base resin of 100 pts.wt. containing a copolymer composed of ethylene and vinyl acetate. The vinyl acetate content of the base resin is 40 wt.% or more.

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